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APPLICATION NO.	F	LING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/680,564	0,564 10/07/2003		Takuya Miyakawa	9319S-000573	4157	
27572	7590	08/22/2005	•	EXAM	EXAMINER	
HARNES: P.O. BOX	•	Y & PIERCE, P.1	TUROCY, DAVID P			
	- -	S, MI 48303	•	ART UNIT	PAPER NUMBER	
		,		1762	-	

DATE MAILED: 08/22/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)					
Office Action Cumment	10/680,564	MIYAKAWA, TAKUYA					
Office Action Summary	Examiner	Art Unit					
	David Turocy	1762					
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address					
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).							
Status							
1) Responsive to communication(s) filed on 29 Ju	<u>ne 2005</u> .	ù					
2a) ☐ This action is FINAL . 2b) ☑ This	action is non-final.						
	3) Since this application is in condition for allowance except for formal matters, prosecution as to the ments is						
closed in accordance with the practice under E.	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims							
4)⊠ Claim(s) <u>1-5,8,13,14 and 17</u> is/are pending in t	ne application.						
4a) Of the above claim(s) is/are withdrawn from consideration.							
5) Claim(s) is/are allowed.							
6)⊠ Claim(s) <u>1-5,8,13,14 and 17</u> is/are rejected.							
7) Claim(s) is/are objected to.							
8) Claim(s) are subject to restriction and/or	election requirement.						
Application Papers							
9)☐ The specification is objected to by the Examiner	•						
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority under 35 U.S.C. § 119							
12)⊠ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).							
a)⊠ All b)□ Some * c)□ None of:							
1. Certified copies of the priority documents have been received.							
2. Certified copies of the priority documents have been received in Application No							
3. Copies of the certified copies of the priority documents have been received in this National Stage							
application from the International Bureau (PCT Rule 17.2(a)).							
* See the attached detailed Office action for a list of the certified copies not received.							
		•					
Attachment(s) 1) Notice of References Cited (RTO 902)	A) □ 1=4== 1	(DTO 440)					
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 4) Interview Summary (PTO-413) Paper No(s)/Mail Date							
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)	5) 🔲 Notice of Informal Pa	atent Application (PTO-152)					
Paper No(s)/Mail Date S. Patent and Trademark Office	6)						

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DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 6/29/05 has been entered.

Response to Amendment

2. The applicant's amendments, filed 6/29/2005, have been fully considered and reviewed by the examiner. In light of the amendment to the specification and the claims the objection to such and the 35 USC 112 2nd paragraph rejections have been withdrawn. Claims 1-5, 8, 13-14, and 17 remain pending.

Response to Arguments

3. Applicant's arguments filed 6/29/2005 have been fully considered but they are not persuasive.

The applicant has amended the claims to include the limitation where the drying steps are performed by vacuum drying. The applicant has argued against the WO '491 reference stating the reference teaches of drying the substrate in a pressure chamber and does not teach of a vacuum chamber for drying. The examiner respectfully

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disagrees. WO '491 teaches of drying the solid layer by "reducing the pressure in the drying chamber to below 0.05 bars" to remove the solvent by change the solvent from a solid to a gas (See US 6656527 Column 5, lines 55-62). Therefore, by reducing the pressure below 0.05 bars during the drying, WO '491 teaches of a vacuum drying step.

Claim Rejections - 35 USC § 103

- 4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 5. Claims 1-5, 8, 13-14, and 17 are rejected under 35 U.S.C. 103(a) as being unpatentable over WO 00/06491 A1 in view of You et al. (US 6,407,009) and further in view of US Patent 4571486 by Arai et al.
- *** Please note U.S. Patent No. 6,656,527 to Gessner et al. is provided as a working English translation of WO 00/06491 A1 and therefore all references to column and line number are found in 6,656,527. ***

These claims are rejected for the same reasons as set forth in the office action dated 3/30/2005 and for the reasons set forth in section 3 above.

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Conclusion

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to David Turocy whose telephone number is (571) 272-2940. The examiner can normally be reached on Monday-Friday 8:30-6:00, No 2nd Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Timothy Meeks can be reached on (571) 272-1423. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

David Turocy AU 1762

> MICHAEL CLEVELAND PRIMARY EXAMINER

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